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REMARKS

Applicants have carefully studied the Office Action. This paper is intended to be fully responsive to all points of rejection raised by the Examiner and is believed to place the application in condition for allowance. Favorable reconsideration and allowance of the application are respectfully requested.

Status of Claims

Claim 3 has been cancelled without prejudice, claims 20-25 were cancelled previously. Consequently, Claims 1-2, 4-19 and 26-36 are pending in the application. Claims 1, 12, 26, and 32 have been amended. Applicant respectfully asserts that the amendments to the claims add no new matter.

35 U.S.C. § 102 Rejections

The Office Action rejected Claims 1-36 under 35 U.S.C. §102(b) as being anticipated by Callum, U.S. Patent No. 6,295,604. Applicants respectfully traverse this rejection in view of the currently amended claims and the remarks that follow.

Claim 3 was cancelled in this paper, and claims 20-25 were cancelled in a previous amendment.

Each of independent claims 1 and 32, as amended, recite, *inter alia*, "if one or more of the frame length, the encryption key, and the initial vector in the header indicates transmitting, configuring a transmitter to encrypt the data frame" and "if one or more of the frame length, the encryption key, and the initial vector in the header indicates receiving, configuring a receiver to decrypt the data frame." Further, each of independent claims 12 and 26, as currently amended, recite, *inter alia*, "a configuration unit to configure the transmitter and the receiver based on information included in the data frame; wherein the information included in the data frame comprises one or more of the group consisting of: a frame length, an encryption key, and an initial vector."

Callum does not disclose these features of claims 1, 12, 26 and 32 as amended. Callum determines whether encryption or decryption is to be performed as follows "...second bit field 322 includes one or more bits which indicate whether encryption or decryption is to

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be performed on data portion 350 of the incoming data packet" (Callum, column 3, lines 44-46). As shown in FIG. 4 of Callum, the bit field 322 has a bit number 39 which is set to 0 for encryption and is set to 1 for decryption. Callum's encryption key and initial vector are contained in his header: "Examples of the control information include, for example, (i) control word 320 to indicate whether encryption or decryption is to be performed and the type of cryptographic function used, (ii) one or more keys 330 and (iii) initialization vector (iv) 340 retrieved from the header of the data packet as shown in FIG. 4." (Callum, column 4, line 66 – column 5, line 4). However, Callum does not disclose using any of the frame length, encryption key, initial vector, or any part of the header beside bit field 322 for configuring a transmitter to encrypt and/or a receiver to decrypt. Therefore, Callum does not teach or suggest the above mentioned features of Applicants' amended claims 1, 12, 26 and 32.

For a reference to anticipate a claim, each element of the claim must appear in the reference. Therefore, Applicant respectfully submits that Claims 1, 12, 26 and 32 are not anticipated by Callum.

Each of Claims 2-11, 13-19, 27-31 and 33-36 depends from one of Claims 1, 12, 26 or 32 and includes all the features of the claim for which it depends as well as additional distinguishing features, and is therefore likewise allowable.

Therefore, Applicants respectfully submit that the rejection of claims 1-36 under 35 U.S.C. § 102(b), as being anticipated by Callum should be withdrawn.

In view of the foregoing remarks and amendments, Applicant submits that the claims are allowable over the prior art of record and are in condition for allowance. Favorable consideration and issuance of the present application is therefore respectfully requested.

The Examiner is invited to telephone the undersigned to discuss any still outstanding matters with respect to the present application.

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With the exception of the fees for the RCE, being paid separately, no fees are believed to be due in connection with this paper. However, if any such fees are due, please charge any fees associated with this paper to deposit account No. 50-3355.

Respectfully submitted,

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